



PATCHAM (FZC)

Pat-Add DA603

PRODUCT DATA SHEET

Rev No. 1

Date :-20/05/2014

Pat-Add DA603 is a polymeric APEO free wetting and dispersing agent for use in waterborne pigment dispersions, in architectural and industrial paints, gloss dispersion paints and printing inks.

Pat-Add DA603 is specifically designed for the preparation of concentrated aqueous dispersions of inorganic pigments, hydrophilic organic pigment or hydrophilic carbonblack.

PHYSICAL CHARACTERISTICS:

Appearance	:	Clear yellowish liquid
Viscosity @ 25°C, approx	:	12000 cP
Specific gravity @ 25°C, approx	:	1.090
Composition	:	Polymeric, anionic surface active compound
Solids content, approx.	:	54.00%

“Physical parameters indicated here in product data sheet are typical properties and not specification limits or range.”

PROPERTIES:

Polymeric dispersant Pat-Add DA603 shows strong dispersion activity with hydrophilic and medium hydrophobic pigments and extenders, thus reducing mill base viscosity, improving colour development as well as storage stability and gloss

Although Pat-Add DA603 is designed for use in a pigment concentrates, colorants and architectural as well as industrial waterborne paints, it may also be considered for applications in similar aqueous paints, inks and pigment concentrate dispersions.

Main benefits are:

- Strong dispersing properties for pigments such as iron oxides, hydrophilic carbon black, medium hydrophilic organic pigments
- Enables high pigment loadings, at lowest viscosity
- APEO Free
- Optimises colour development
- Strong contribution to electrostatical pigment stabilisation, as well as sterical stabilisation effect, thus minimizing tendency to flocculation in the liquid stage as well as during film formation of waterborne coating and printing systems

For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet

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DOSAGE AND ADDITION:

The optimal amount of Pat-Add DA603 to be used is system related, but generally is between 0.5 and 2.0% Pat-Add DA603, calculated on the total weight of coating or ink formulation. The dosage is related to the offered pigment surface area, organic pigments and high surface carbon blacks being at the higher side of the recommendation.

The product is best added to the mill-base before the pigments. For use in pigment concentrates (PC) higher levels are suggested, such as 3 to 10% Pat-Add DA603 on total weight of the PC

The optimum concentration to be used depends on the individual requirements and conditions.

While every effort is made to provide accurate and complete information, performance of the product may vary depending upon different raw materials, formulations, test procedures and test conditions. Hence Patcham (FZC) and its representative disclaim any kind of liability.

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